M. A. R. 57 (Rule 116)
Measurement Book

No. B

191601

Serial No. 1st and final Bill

Name of work Improvements From Layout, Baptaging Layout and deemwadda To Layout Roads in Ward no.09 in

Name of Contractor of nature of Agency Vidyaranyapura Sub-Division.

Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Estimated cost Rs. 20.00 Lakh.						
	MB. No. : 004-13-000049.						
	Work order. no : EE/13-14/BBMP/KRIDL/WO/339/2012-13 Dt. 28-02-2013						
	Name of Agency : KRIDL, Technical Manager (West)						
	Date of Receipt : 31-01-2014						
1	Earthwork Excavation by manual means in ordinary soil						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including an average horizontal throw upto 2m and an average lift upto 0.50m, Excavated surface levelled and sides neatly dressed, Earth to be levelled neatly after breaking clods etc Complete as per specifications and directions of Engineers-in-charge of Work.						
	Qty as per MB 1952 p. 195/74						
	# no. (1) : 779.34 m³					81/4³	63127.00
2)	Conveying steel metal Cryst. 50mm to 10mm size with pre-mixed apron along with premix carpet / surface						

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	N
1	2	
	dressing and stacking with is a lead of 1 costing all labour charges and directions of Eng	

ntents 7	Reference to last Measurement 8
2m of levelled to be mplete ms - p. 195176 y^2 @ 81/y^3 Thirty Rupees	63127.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191602

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	dressing and stacking of serviceable materials Within a lead of 100 mts by manual means including costing all labours charges etc complete as per specifications and directions of Engrs. i/c. Chge of Wks. Qty vide MB. 1952 p.no 195176 Now ② 364 y^2 @ 35.91/y^2						130892.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
3)	Providg. laying, spreading and compacting graded Stone aggregate to wet mix macadam specifications, including premixing the material with water at OMC in mechanical mix plant Carriage of material loaded by hoppers to site, laying in uniform layers, with payers in sub-base/ base course on well prepared surface and Compacting with Vibratory Roller to achieve the desired density as Complete as per specifications and directions of Engrs in-Charge of Work						
		Qty taken MB 1952 pno 195177				754637.m	
		# no-③ : 724.71/no @1059.49/no					

M.

erial No. .....

ame of work ..... F

ame of Contractor of nature of Agency.....

ate of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3
(4)	Clearg the existg vegetatg growth incldg roots with hire with brush cutter or dozer Disposal of old quary Layg bituminous treatment, labour, tools & machy as per specifications and dir	

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
ppaching grade/ Shee			
ecifications, includg			
one in matrix			
al by hyper to			
over in Sub-base/			
e and Compactg			
ry/ density etc			
ns of Expts			
1952 pmo 195177			754637.m
724.71/m²			
e 1059.49/m²			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191603

erial No. .....

ame of work ..... From ..... To .....

ame of Contractor of nature of Agency.....

ate of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(14)	Clearg the Existg WBM Road surface includg removg loose material and other foreign matter with wire brushes and small picks, sweepg with birom or date brushes and finally dustg with old gunny bags or compressed air removal bitumen treatment, includg costg all materials, labour, hirg of machinery, engg all complete as per specifications and directions of Engineer-in-charge/Lum						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Qty as per ✱ no. ②				
			= 3645 m² @ 9.29/-				33862.00
57	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clean of ~~dust~~ Road surface and spraying primer at the rate of 0.60 kg/m² using mechanical ment etc complete as per specification and direction of Engineer-in-charge of Work.						CRFC
			Qty as per ✱ ④				14448.00
			3645 m² @ 39.64/-				

M. A. P
Mea

erial No. .....

ame of work ..... From

ame of Contractor of nature of Agency.....

ate of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	5) Providing and laying ce concrete 25 mm thick M type stamp produced us using crusher aggregate with bituminous binder filler, transporting to h with hydrostatic pav to the required grade with smooth wheel

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
... per ## No. ②			
45 m² @ 9.29/-			33862.00
... with bituminous			
... granular base			C&Pc
... and spraying			②
... using mechanical			
... specifications and drawing			
... per. ## ④			14488.00

45 m² @ 39.64/-

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191604

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	5) Providing and laying semi-dense bituminous concrete 25 mm thick (in two layers) to a total compacted thickness of 120 mm including hot mix production at average output of 75 T/hr using crushed aggregates of specified grade, premixed with bituminous binder @ 4.5% by wt. of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, Rolling with smooth wheeled, vibratory and tandem					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Roller to achieve the desired compaction as per morth's Specifications clause no. 510.8, complete in all respects as per specifications with 80/100 grade bitumen, etc complete as per specifications with 80/100 grade bitumen, etc complete as per specifications and directions of Engineer-in-charge of Work.						
	(a) Demanded main Road	1	30.00	$\frac{5.6+6.0}{2}$ 0.025	= 4.38		
		1	30.00	$\frac{6.0+6.2}{2}$ 0.025	= 4.58		
	b. LT CRoad -	1	30.00	$\frac{5.5+5.6}{2}$ 0.025	= 4.16		
		1	15.00	$\frac{5.6+5.8}{2}$ 0.025	= 2.08		

C&FC

M. A. I
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erial No. .....
ame of work ..... From
ame of Contractor of nature of Agency.....
ate of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	(c) 2nd CRoad.	1
		1
		1
	(d) Bandhi layout	1
		1
		1

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
this as per mostly complete in all respects grade bitumen, with hot/low grade cracks and void.			
$\frac{6+6.0}{2}$	0.025 = 4.38		
$\frac{6.0+6.2}{2}$	0.025 = 4.58		
$\frac{5+5.6}{2}$	0.025 = 4.78		
$\frac{6+5.8}{2}$	0.025 = 2.08		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 191605

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(c) 2nd Run.	1	30.00	$\frac{6.1+6.0}{2}$	0.025	= 4.54	
		1	30.00	$\frac{6.0+6.1}{2}$	0.025	= 4.54	
		1	18.00	$\frac{6.1+6.1}{2}$	0.025	= 2.70	
	(d) Middle layer	1	30.00	$\frac{5.5+5.2}{2}$	0.025	= 4.03	
		1	30.00	$\frac{5.2+5.3}{2}$	0.025	= 3.94	
		1	30.00	$\frac{5.3+5.4}{2}$	0.025	= 4.03	
		1	30.00	$\frac{5.4+5.3}{2}$	0.025	= 4.01	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	36.00	$\frac{5.3+5.0}{2}$	0.025	4.84	
(a)	Dr. dumping - Balance Rock	1	30.00	$\frac{3.5+3.4}{2}$	0.025	2.66	
		1	30.00	$\frac{3.6+4.0}{2}$	0.025	2.85	
		1	30.00	$\frac{4.0+3.8}{2}$	0.025	2.93	
		1	26.40	$\frac{3.8+4.6}{2}$	0.025	2.77	
(b)	Excavation in open in CRM	1	30.00	$\frac{6.5+6.4}{2}$	0.025	4.84	
		1	30.00	$\frac{6.4+6.4}{2}$	0.025	4.80	
		1	25.00	$\frac{6.4+6.6}{2}$	0.025	4.06	

CSPC Patil

M. A.
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erial No. .....
ame of work .....
ame of Contractor of nature of Agency.....
ate of commencement of work.....

Date	Full description, etc, of work	Numb
1	2	3
(a)	Inland. Road	1

OOK

Depth 6	Contents 7	Reference to last Measurement 8
0.025	4.85	
0.025	2.44	
0.025	2.80	
0.025	2.93	
0.025	2.77	
0.025	4.85	
0.025	4.86	
0.025	4.86	

CSTRC
Patil 14

M. A. R. 57 (Rule 116)
Measurement Book

No. B 191606

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Dimensions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(1) Internal Road	1	30.00	$\frac{5.0+5.2}{2}$	0.025	3.83	
		1	30.00	$\frac{5.2+5.3}{2}$	0.025	3.94	
		1	17.00	$\frac{5.3+5.8}{2}$	0.025	2.22	
		1	30.00	$\frac{5.2+5.0}{2}$	0.025	3.83	
		1	35.00	$\frac{5.0+5.8}{2}$	0.025	4.55	
						91.194	
					Total	91.194	
					C/F	882.194	

C&FC
31/01/2014.
R.W. (Int.)
804587.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	Lead for disposal of debris shall be payable at carriage rates by mechanical means in dump lead of unloading, etc complete as per specifications and directions of Engineer-in-charge lead.						
	Qty as per item (1) = 779.34 m³						
	Add = 779.34 m³					5661/-	
	@ 72.71/m³					57671.-	
	Total.					19,93,264.-	
	Add 11% Lead charges.					2,19,259.-	
	Grand Total					22,18,807.-	

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	N
1	2	
	Certificate 1) Certified that the work is satisfactory (2) The contractor has done the work (3) There is no d	

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
hall be payable			
ncm including			
ps specifications			
ds work.			
..II no ① = 779.34			
Total = ~~779.34~~			56665
@ 72.71/m			57671.00
Total.			19,93,264.00 199825.9=00
DL charges -			2,19,259.00 21980.8=
Grand Total			22,18,823.00 22,18,067=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191607

Serial No. ..... From ..... To .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Certificate 1) Certified that the Contractor has work done satisfactorily (2) The Contractor has removed the debris from work site (3) There is no depth materials issued to Contractor..						

31/01/2014

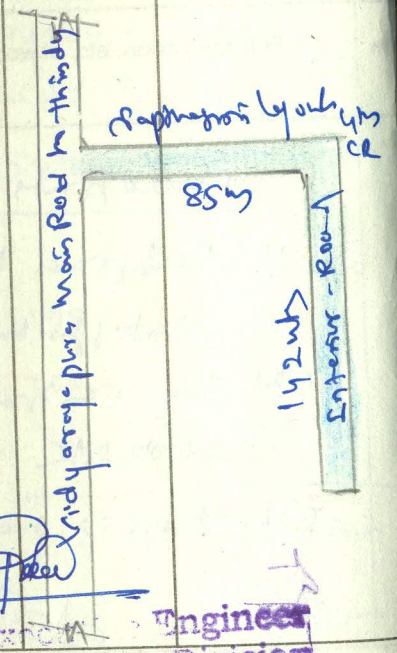
31.1.14

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

DK

N ←

Depth 6	Contents 7	Reference to last Measurement 8



Engineer
Division

. A. R. 57 (Rule 116)
Measurement Book

No. B

191603

erial No. .....
ame of work ..... From ..... To .....
ame of Contractor of nature of Agency.....
ate of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	ಬಿಲ್ಲು ಪೊಬಲಗು ರೂ 2218060=00 ಗಳಿಕೆ ಪಾಸ್ಟು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 359379=00 ಹೊಂಪಾಡಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಪೊಬಲಗು ರೂ 1858681=00 ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು				IT — 44361 — VAT — 88722 — FSD — 144174 — LWF — 22181 — CBF — 2218 — Roy — 51723 — Fine — Good Total Ded = 359379=00	

Engineer
Division
BMP, Bangalore - 97